

STUDY LINK
10•8
Finding Circumferences

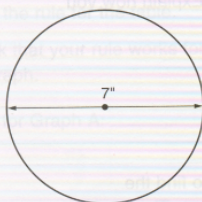

The formula for the circumference of a circle is:

$$\text{Circumference} = \pi * \text{diameter, or } C = \pi * d$$

Use the π key on your calculator to solve these problems. If your calculator doesn't have a π key, enter 3.14 each time you need π .

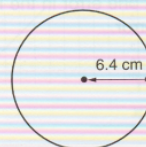
Find the circumference of each circle below. Show answers to the nearest tenth.

1. a.



Circumference \approx _____ inches

b.



Circumference \approx _____ centimeters

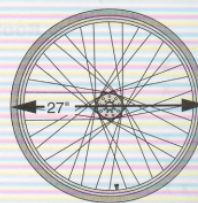
2. The wheels on Will's bicycle have a diameter of about 27 inches, including the tire.

a. What is the circumference of the tire?

About _____ inches

b. About how far will Will's bicycle travel if the wheels go around exactly once?

About _____ inches



3. Sofia measured the circumference of her bicycle tire. She found it was 66 inches. What is the diameter of the tire?

About _____ inches

